

# Sea Surface Winds (Speed and Direction)



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The Sea Surface Winds (Speed and Direction) Environmental Data Record (EDR) has been approved by the NPOESS Configuration Control Board (CCB) for incorporation into the CMIS Sensor Requirements Document (SRD). Do not act or alter your program based on the contents of this page until you have received a modification to your contract. Information presented herein by the Government shall not be construed as giving direction or requiring changes to any of the terms and conditions of the contract. Only the Contracting Officer can authorize changes to the contract. If you feel you have been given direction requiring a change to the contract, do not act on this "direction" and immediately notify the Contracting Officer. (FAR Clause 52.243-7, Notification of Changes, incorporates this policy, and specifies the responsibilities of the contractor and the Government with respect to such notification).

### Sea Surface Winds (Speed and Direction) App D Section 40.2.5

Atmospheric wind speed and direction at the sea/atmosphere interface. This parameter is to be reported at 19.5 meters above sea level.

Para. No.		Thresholds	Objectives
C40.2.5-1	a. Horizontal Cell Size	20 km	1 km
C40.2.5-2	b. Horizontal Reporting Interval	(TBD)	(TBD)
C40.2.5-3	c. Horizontal Coverage	Oceans	Oceans
	d. Measurement Range		
C40.2.5-4	1. Speed	3 - 25 m/s	1 - 50 m/s
C40.2.5-5	2. Direction	0 - 360 deg	0 - 360 deg
	e. Measurement Accuracy		
C40.2.5-6	1. Speed	2 m/s or 20 % of true value, whichever is greater	1 m/s or 10 % of true value, whichever is greater

C40.2.5-7	2. Direction	20 deg for wind speeds greater than 5 m/s.  20 deg (TBR) for wind speeds from 3-5 m/s	10 deg
	f. Measurement Precision		
C40.2.5-8	1. Speed	1 m/s	1 m/s
C40.2.5-9	2. Direction	10 deg	10 deg
C40.2.5-10	g. Mapping Uncertainty	5 km	1 km
C40.2.5-11	h. Swath Width	1700 km	3000 km (TBR)